



CERES BLOCKCHAIN
SOLUTIONS

A MEMO TO THE SORA COMMUNITY

JANUARY 2024

This document accompanies the invoice sent to SORA for the services provided by Ceres Blockchain Solutions.

This memo will provide a description of the products, and the total amount of hours presented in invoice served by Ceres Blockchain Solutions to the SORA Community.

The services performed include the design, development, testing, and maintenance of the following products: Ceres Tools Website, Ceres Tools Mobile Apps (iOS and Android) and Apollo Protocol.

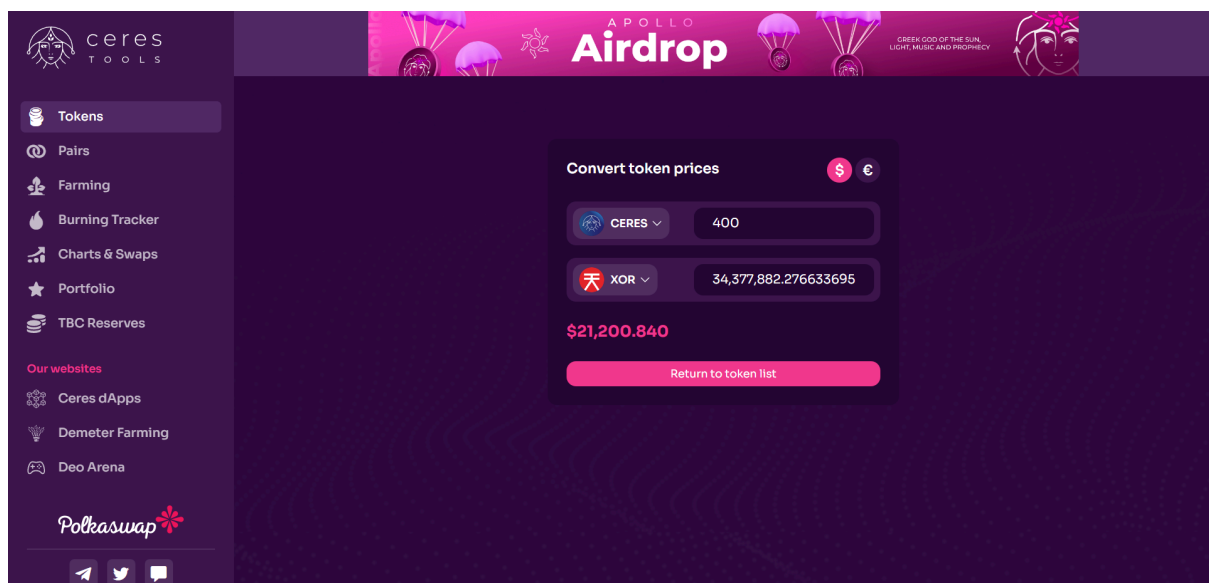
1 Ceres Tools Website – 144 hrs

Ceres Tools (<https://tools.cerestoken.io>) is a platform for tracking data from Polkaswap Decentralized Exchange (<https://polkaswap.io>).

Platform consists of six sections: **Tokens, Pairs, Farming, Burning Tracker, Portfolio, Charts & Swaps** and **TBC Reserves**.

1.1 Tokens

Token prices listed on Polkaswap, their asset IDs, and token locks are displayed in the Tokens section. In this release, a token converter has been added (users can easily convert token values to current real time values – other tokens and fiat (usd, eur)) and Polkadot (DOT) token has been listed. Adding a market cap for each token is under construction.



1.2 Pairs

The pairs section shows liquidity, 24 hour volume, and pool details for each trading pair as well as total liquidity, total 24-hour volume on Polkaswap, and details about liquidity locks. In this section, users can also check Deposit/Withdrawal liquidity events and from this release, liquidity change history for each pair against both tokens in the pair.



1.3 Charts & Swaps

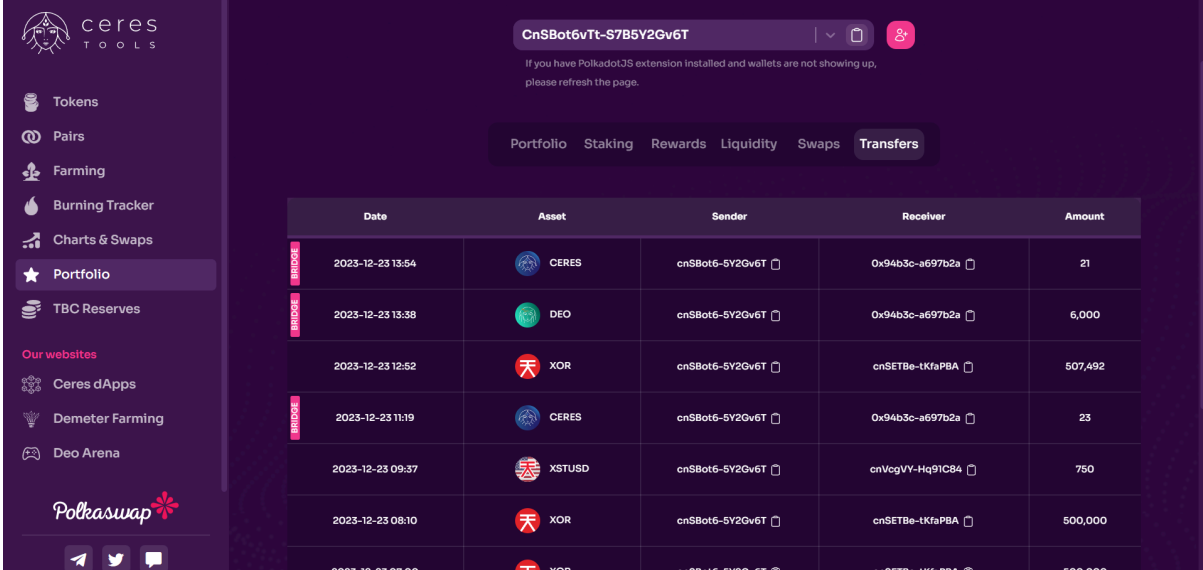
In the Charts part of the section, users can track the token price movement listed on Polkaswap, as well as perform a Technical Analysis using various indicators. In the Swaps part of the section, users can track swaps (buys and sells) for each token on Ceres Tools. Users are able to track swaps for all tokens at once and can filter the swaps with date_from, date_to, min_amount, max_amount and token filters. In this release, filters have been fixed to be more intuitive and charts loading has been accelerated.

The screenshot shows the 'Swaps' section of the Ceres Tools interface. It includes a table of swap transactions with the following columns: Date, Account, Sold Token, Bought Token, Sold Amount, and Bought Amount. The table lists several transactions involving tokens like TBCD, XOR, ETH, PSWAP, DAI, and HMX.

Date	Account	Sold Token	Bought Token	Sold Amount	Bought Amount
2023-12-23 14:10	cnUZkAbtX2u9ko8g6uwihfGNU/XTVEIG2oB4ZTU5VF98eqe43	TBCD	XOR	3,212.7400402	3,200
2023-12-23 14:10	cnUZkAbtX2u9ko8g6uwihfGNU/XTVEIG2oB4ZTU5VF98eqe43	TBCD	ETH	3,633.1729578	0.0015
2023-12-23 14:10	cnUZkAbtX2u9ko8g6uwihfGNU/XTVEIG2oB4ZTU5VF98eqe43	TBCD	PSWAP	2,395.6389294	1,500
2023-12-23 14:10	cnSmdQju9oLXZBkgPa5kxM1e5e2GXms2PXWoXdpKEbHktjYB	DAI	HMX	20.9031479	10,000
2023-12-23 14:10	cnUZkAbtX2u9ko8g6uwihfGNU/XTVEIG2oB4ZTU5VF98eqe43	TBCD	XOR	3,212.7402269	3,200
2023-12-23 14:10	cnUZkAbtX2u9ko8g6uwihfGNU/XTVEIG2oB4ZTU5VF98eqe43	TBCD	ETH	3,632.520789	0.0015

1.4 Portfolio

The portfolio feature allows users to track wallets holdings, staking, rewards, liquidity, swaps, and transfers. Users can also monitor the portfolio's movement in 1h, 24-hour, 7-day and 30-day intervals. From this release, users can see the exact amount of each token in the provided liquidity.



The screenshot shows the Ceres Tools website interface. On the left is a sidebar with navigation links: Tokens, Pairs, Farming, Burning Tracker, Charts & Swaps, Portfolio (highlighted), TBC Reserves, and Our websites (Ceres dApps, Demeter Farming, Deo Arena). The main content area shows a wallet address 'CnSBot6vTt-S7B5Y2Gv6T' and a notification about the Polkadot3S extension. Below this is a tabbed interface with 'Transfers' selected. A table displays transaction history with columns: Date, Asset, Sender, Receiver, and Amount.

Date	Asset	Sender	Receiver	Amount
2023-12-23 13:54	CERES	cnSBot6-5Y2Gv6T	0x94b3c-a697b2a	21
2023-12-23 13:38	DEO	cnSBot6-5Y2Gv6T	0x94b3c-a697b2a	6,000
2023-12-23 12:52	XOR	cnSBot6-5Y2Gv6T	cnSETBe-tKfaPBA	507,492
2023-12-23 11:19	CERES	cnSBot6-5Y2Gv6T	0x94b3c-a697b2a	23
2023-12-23 09:37	XSTUSD	cnSBot6-5Y2Gv6T	cnVogVY-Hq9IC84	750
2023-12-23 08:10	XOR	cnSBot6-5Y2Gv6T	cnSETBe-tKfaPBA	500,000
2023-12-23 07:00	XOR	cnSBot6-5Y2Gv6T	cnSETBe-tKfaPBA	500,000

2 Ceres Tools Mobile Apps - 32 hrs

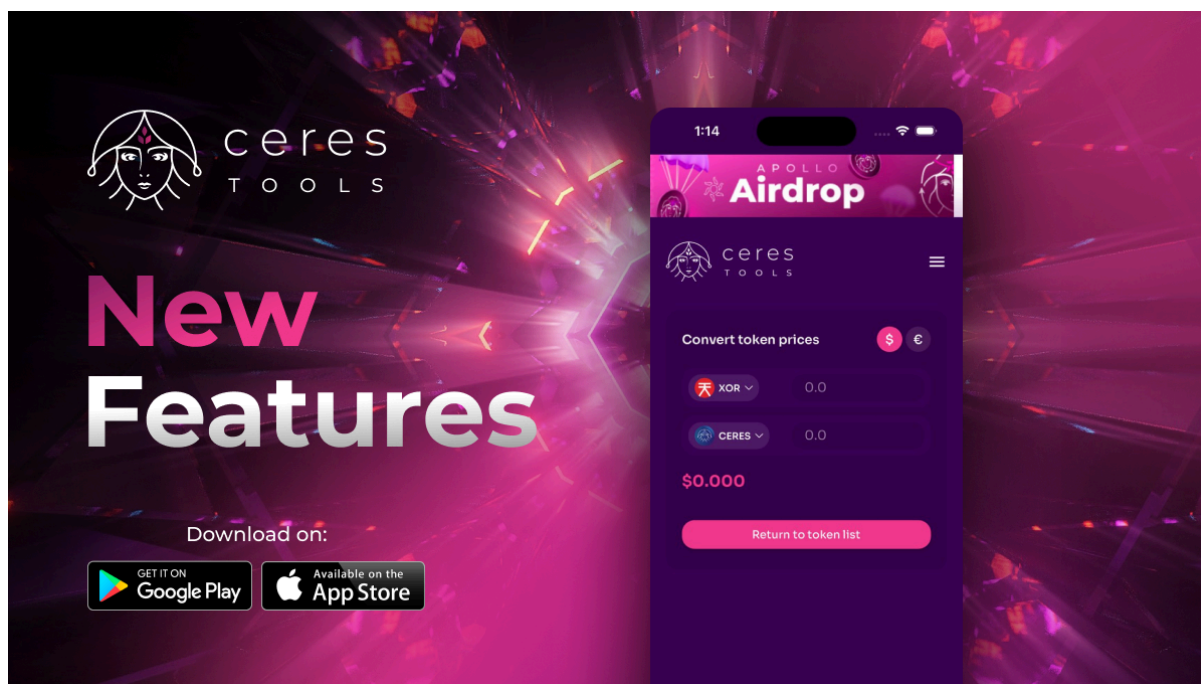
Ceres Tools Mobile App is a Ceres Tools Website version as a mobile app. It is available for both Android and iOS. From this release, users can enjoy all the functionalities that have been added to the Ceres Tools website.

Ceres Tools Android App -

<https://play.google.com/store/apps/details?id=io.cerestoken.tools>

Ceres Tools iOS App -

<https://apps.apple.com/gb/app/ceres-tools/id1590032285>



3 Maintenance, issues and bug fixing – 85 hrs

The bugs have been fixed, and functionalities have been improved in several sections such as Charts & Swaps, TBC Reserves, Burning Tracker, as well as addressing memory issues at the application level.

4 Apollo Protocol – 142 hrs

The Apollo Protocol is the first lending and borrowing platform on the SORA network. Apollo enables its users to deposit and borrow assets on the SORA network. Depositors can provide liquidity and secure passive income through interest, while borrowers can leverage their assets without selling them and pay interest for this service.

A lending and borrowing platform is one of the fundamental dApps of any blockchain, contributing to the growth of liquidity and activity of the network. It is a public, decentralized marketplace for assets accessible not only by users but also by bots and other DeFi protocols. The Apollo Protocol offers a comprehensive set of lending features for assets on the SORA network.

Read more about Apollo Protocol on <https://apollo-protocol.gitbook.io>.

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Invoice

Invoice for	Payable to	Issue Date	Due Date
Ceres Tools Website, Ceres Tools Mobile Apps and Maintenance; Apollo Protocol	Ceres Blockchain Solutions LLC	29 January 2024	12 February 2024

Description	Quantity (Work-Hours)	Unit Price (USD)	Amount (USD)
Ceres Tools Website	144	175	25200
Ceres Tools Mobile Apps	32	175	5600
Maintenance, issues and bug fixing	85	175	14875
Apollo Protocol	142	175	24850
Subtotal			\$70,525

Total Amount Due (USD)	\$70,525
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* Payment can be made in equivalent TBCD, at the market rate

Payout wallet address (TBCD):

cnULzhJufsXR9xEyFajG8DyJd2U338GRhowgY6sZEtbTgk18u